

Title (en)  
SCROLL COMPRESSOR

Publication  
**EP 0253049 A3 19881012 (EN)**

Application  
**EP 87100354 A 19870114**

Priority  
JP 16844686 A 19860717

Abstract (en)  
[origin: EP0253049A2] A scroll compressor having a fixed scroll member (7) and an orbiting scroll member (8). The fixed scroll member (7) has an end plate (13) and a wrap (14) attached to the end plate in an involute curve and, similarly, the orbiting scroll member (8) has an end plate (16) and a wrap (17) attached to the end plate thereof in a juxtaposed relation with the fixed scroll member so that the wraps of the two scroll members are fitted closely together. A check valve (20) is provided so that an exhaust opening of the end plate is always opened when the compressor is in its operation and closed only when the operation is stopped.

IPC 1-7  
**F04C 18/02**; **F04C 29/08**

IPC 8 full level  
**F04C 29/00** (2006.01); **F04B 39/10** (2006.01); **F04C 18/02** (2006.01); **F04C 18/04** (2006.01); **F04C 29/06** (2006.01); **F04C 29/12** (2006.01); **F16K 15/14** (2006.01); **F16K 21/04** (2006.01)

CPC (source: EP KR US)  
**F04B 39/10** (2013.01 - KR); **F04C 18/02** (2013.01 - KR); **F04C 29/00** (2013.01 - KR); **F04C 29/128** (2013.01 - EP US); **Y10T 137/7875** (2015.04 - EP US)

Citation (search report)  
• [Y] US 3606588 A 19710920 - ROMERHAUS BERT W  
• [A] WO 8203429 A1 19821014 - LITTLE INC A [US]  
• [A] US 2217380 A 19401008 - PEDDER FRANK S, et al  
• [A] US 3040973 A 19620626 - WESSLING KENNETH F  
• [Y] PATENT ABSTRACTS OF JAPAN, vol. 4, no. 72 (M-13)[554], 27th May 1980, page 66 M 13; & JP-A-55 35 151 (SANKYO DENKI K.K.) 12-03-1980

Cited by  
US5040952A; EP0654606A1; WO9516860A1

Designated contracting state (EPC)  
DE FR IT

DOCDB simple family (publication)  
**EP 0253049 A2 19880120**; **EP 0253049 A3 19881012**; **EP 0253049 B1 19911127**; CA 1311728 C 19921222; DE 3774780 D1 19920109; JP S6325394 A 19880202; KR 880001928 A 19880427; KR 900004045 B1 19900609; US 4759696 A 19880726

DOCDB simple family (application)  
**EP 87100354 A 19870114**; CA 528035 A 19870123; DE 3774780 T 19870114; JP 16844686 A 19860717; KR 870000205 A 19870110; US 297787 A 19870113